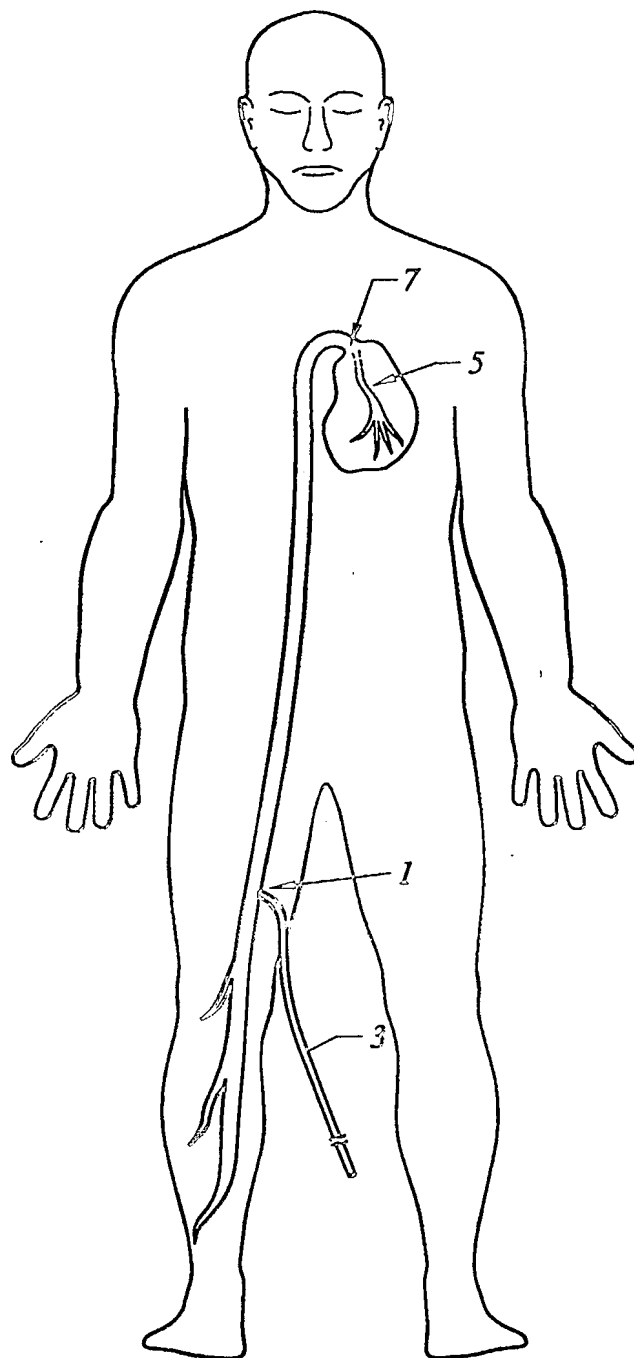


1/21



*FIG. 1*

2/21

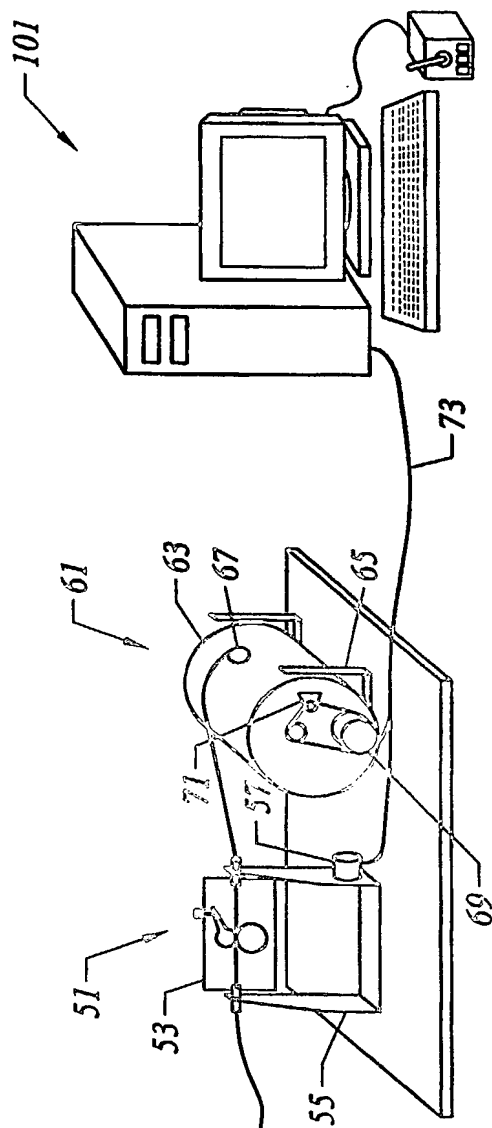


FIG. 2

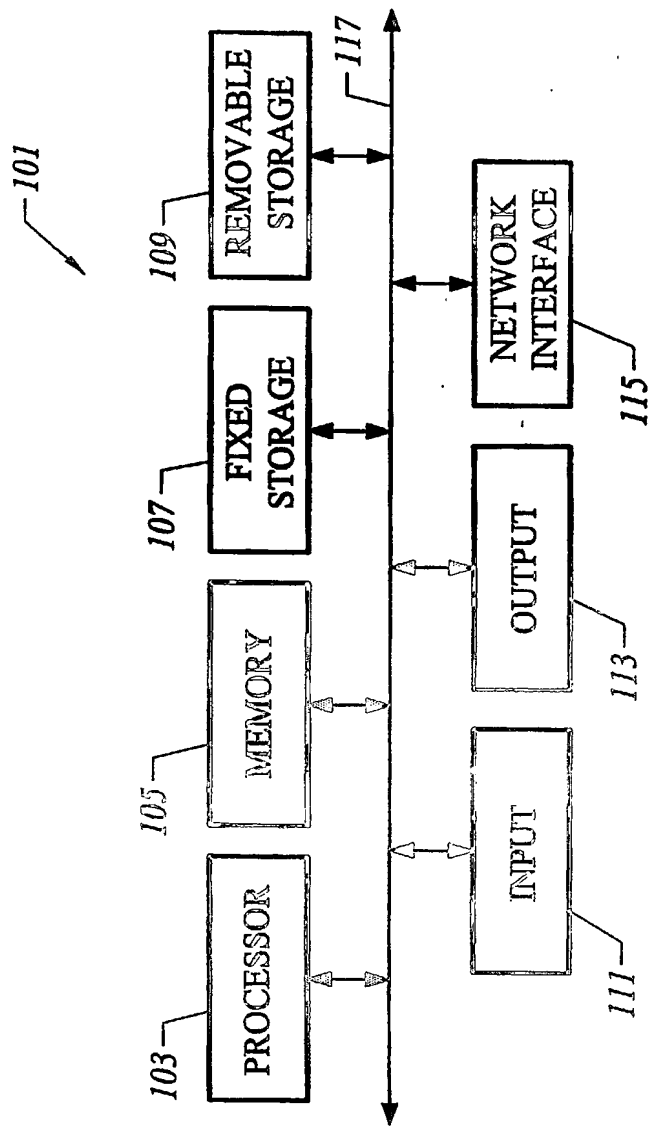


FIG. 3

4/21

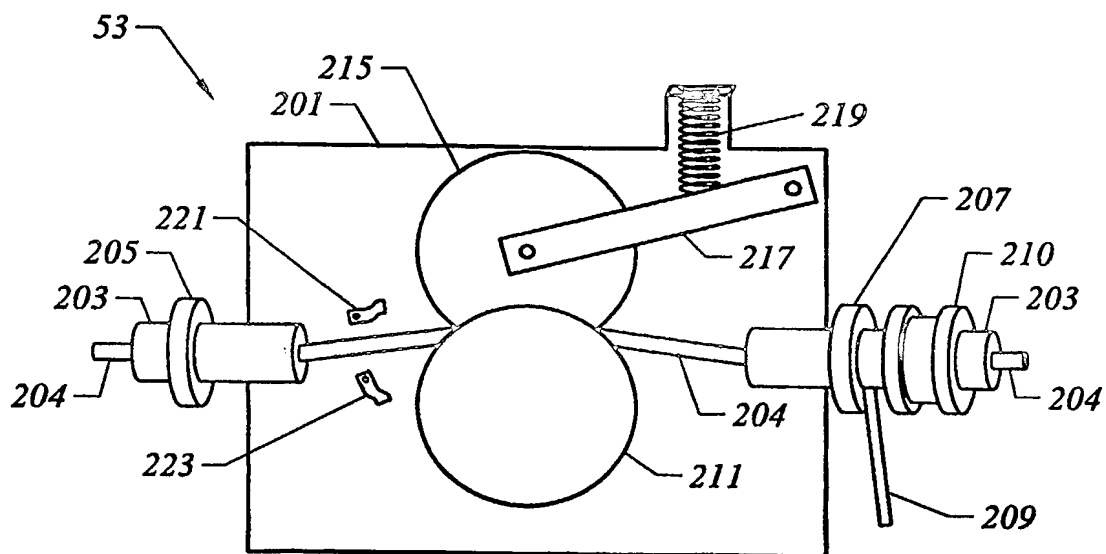


FIG. 4A

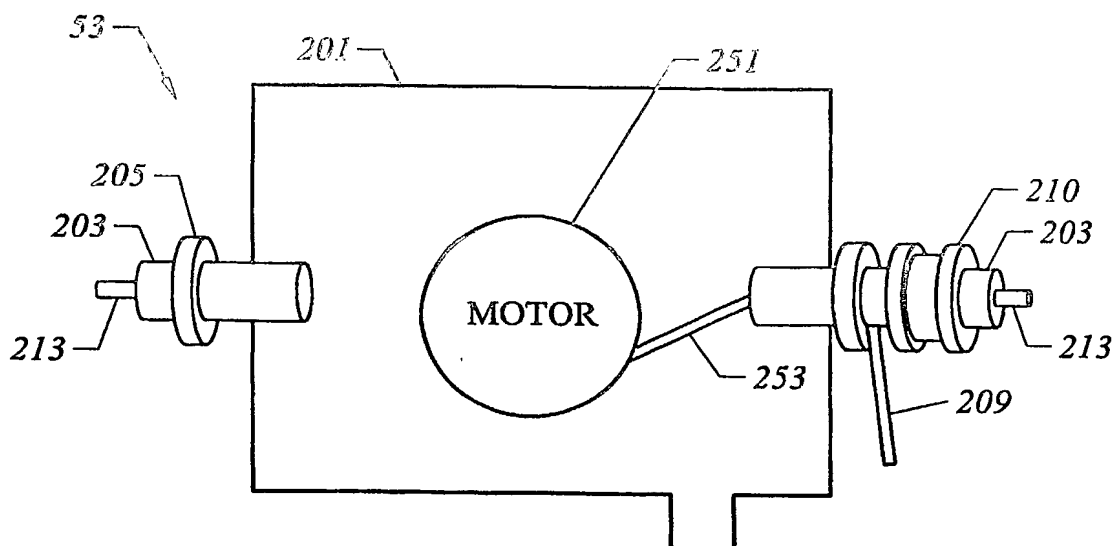


FIG. 4B

5/21

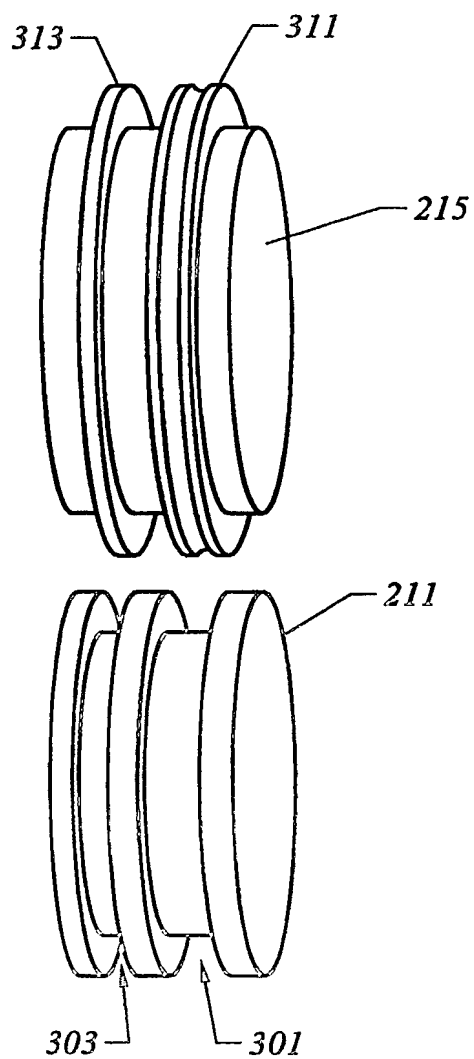


FIG. 5

6/21

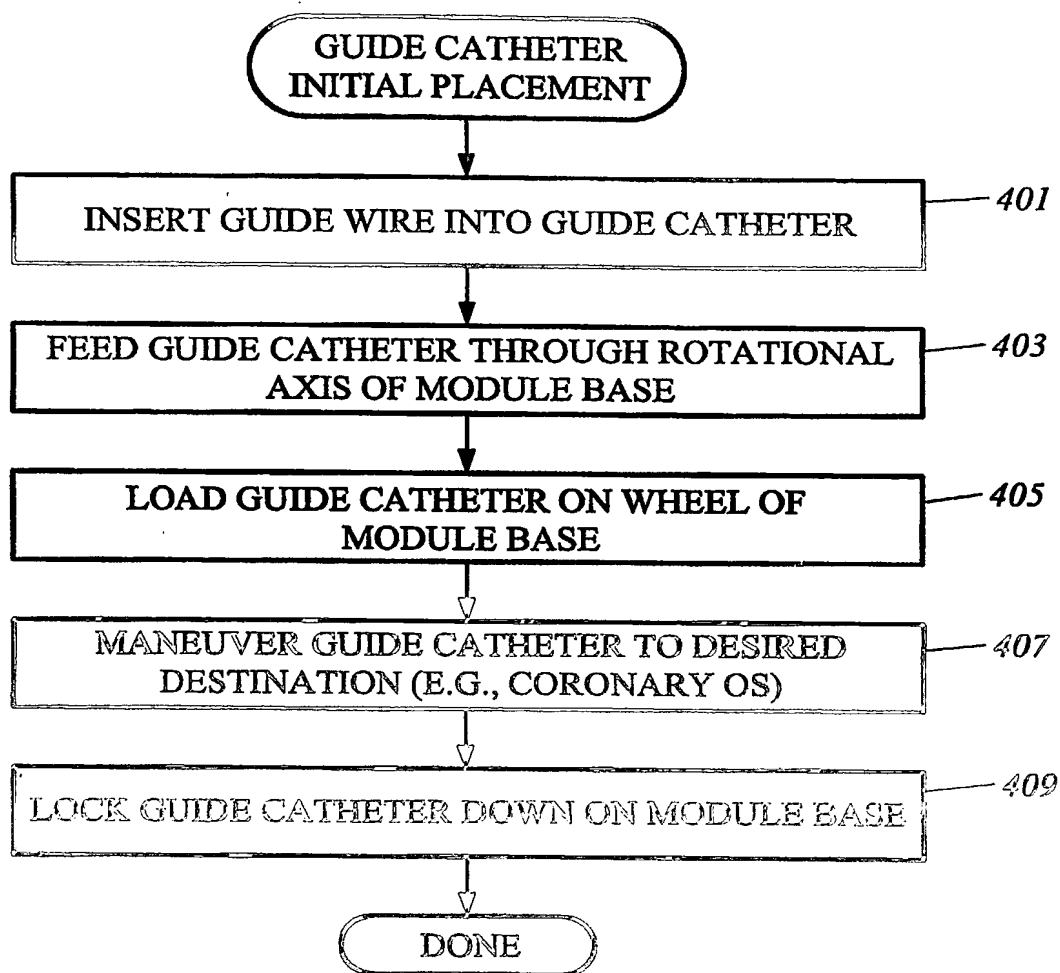


FIG. 6

7/21

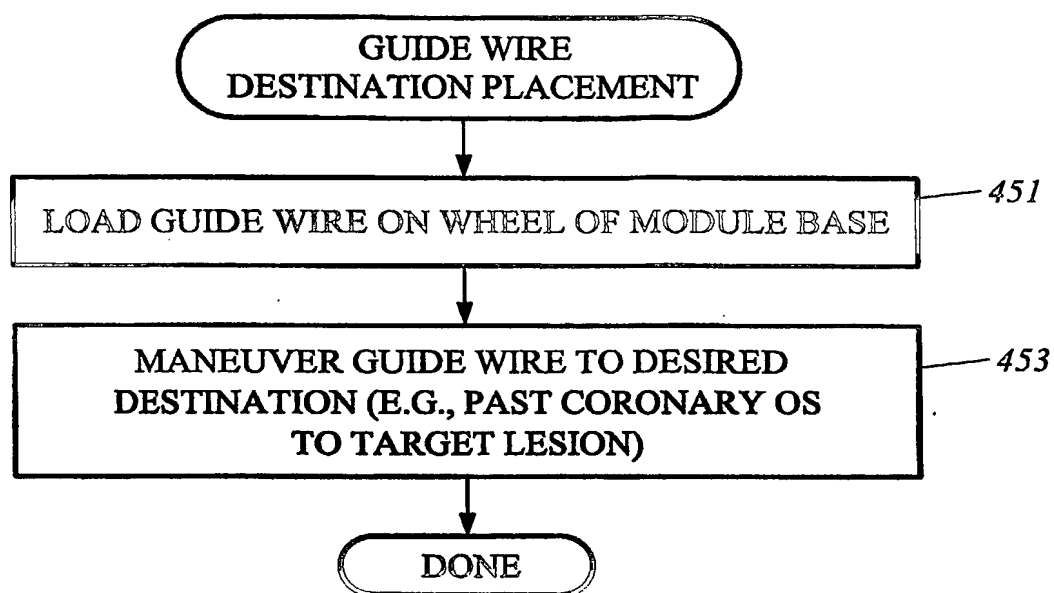


FIG. 7

8/21

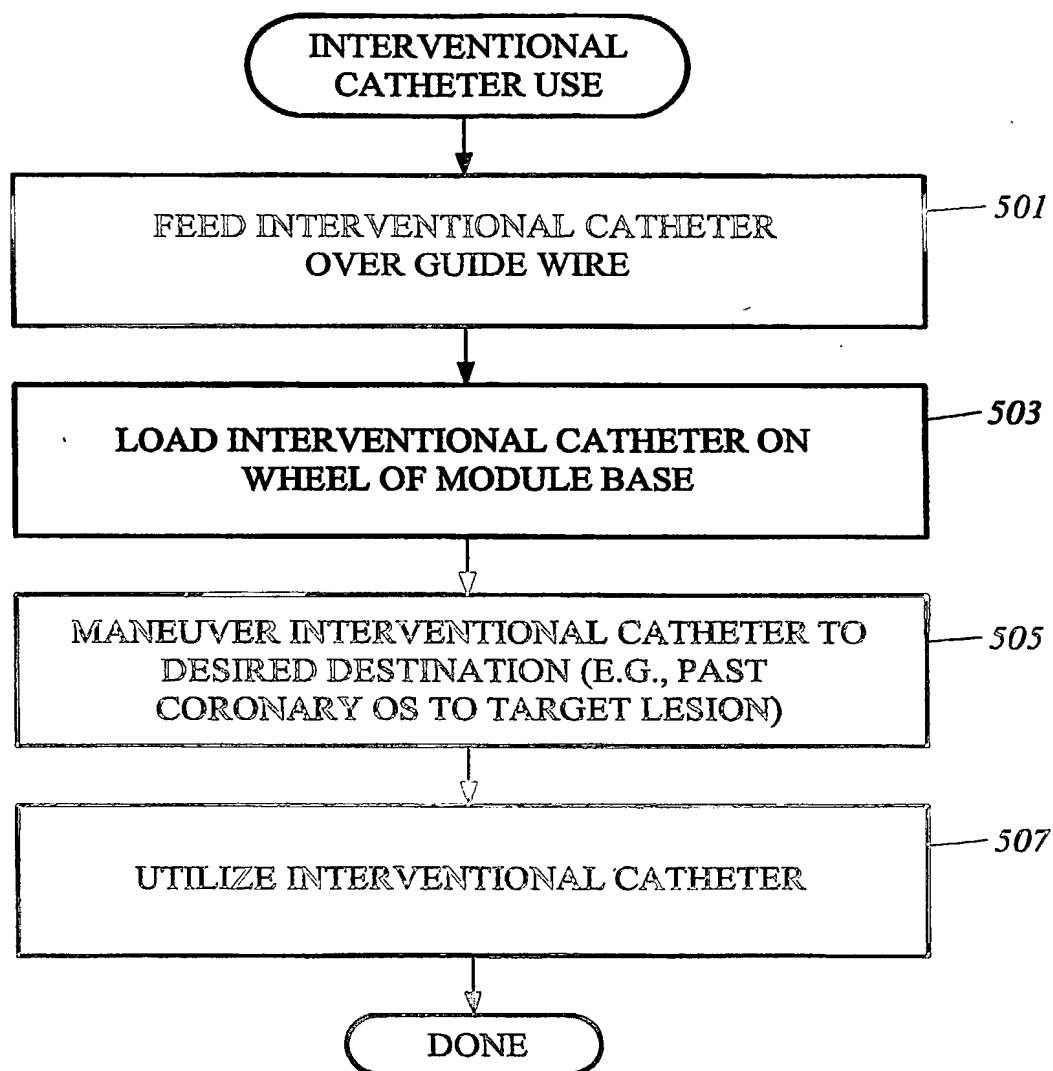


FIG.8



9/21

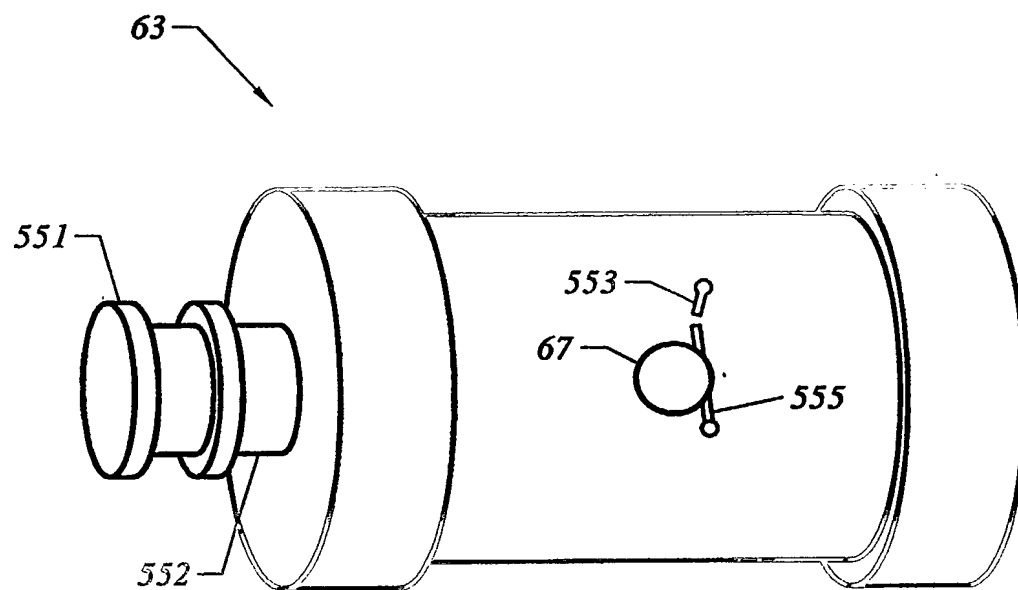


FIG. 9

10/21

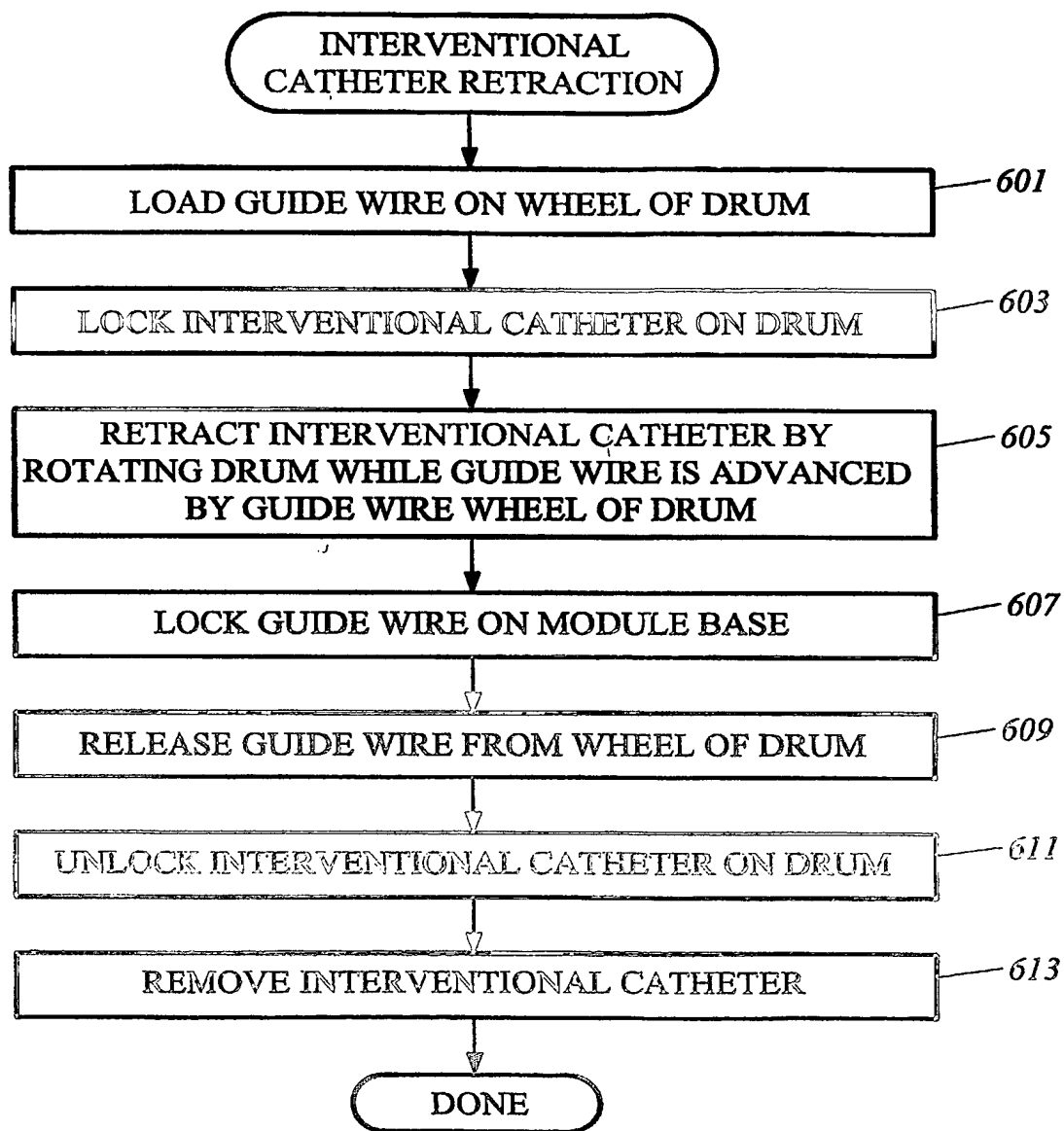


FIG. 10

11/21

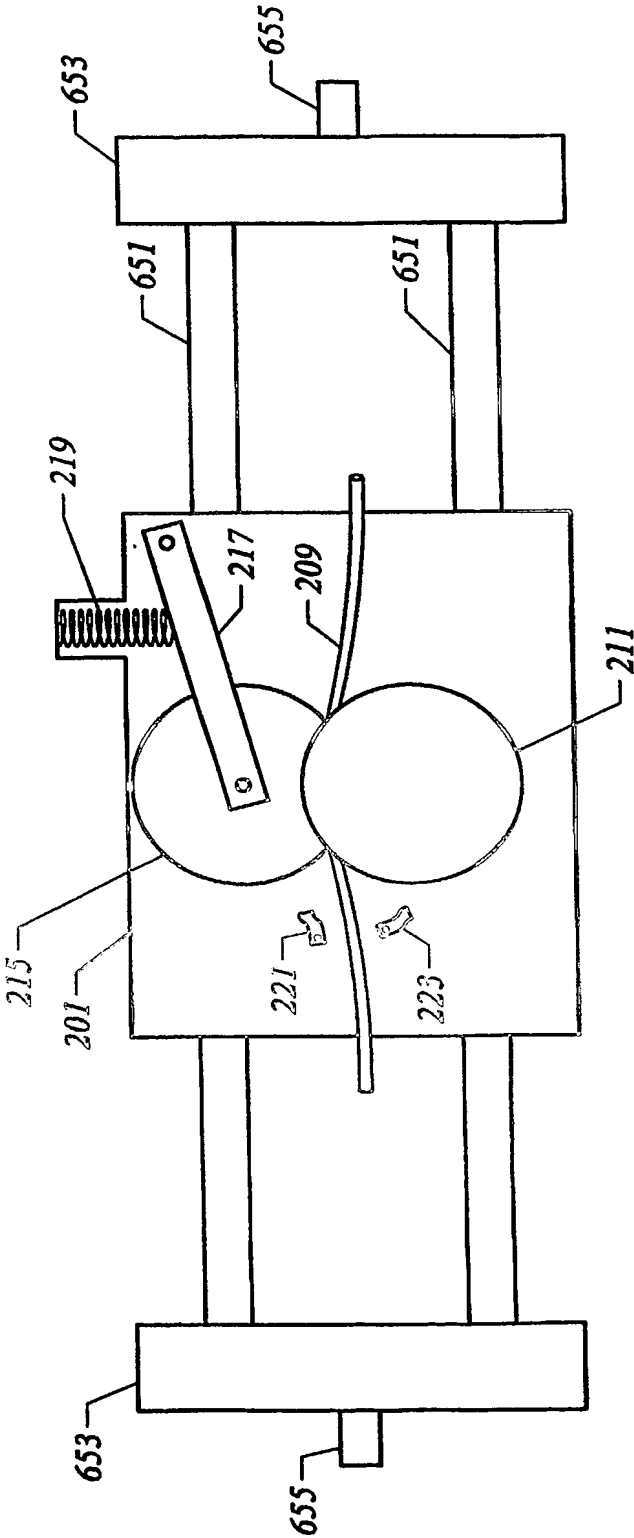


FIG. 11A

12/21

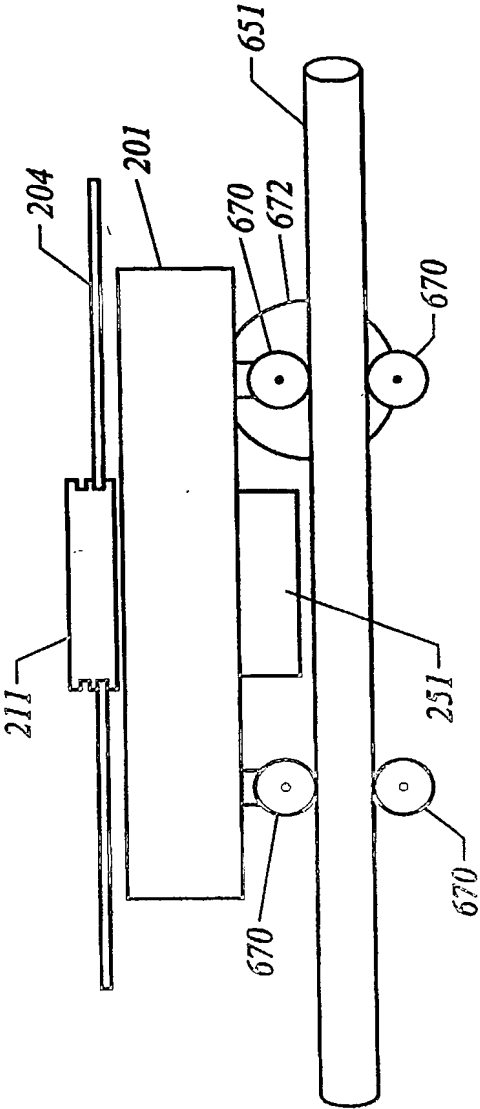


FIG. 11B

13/21

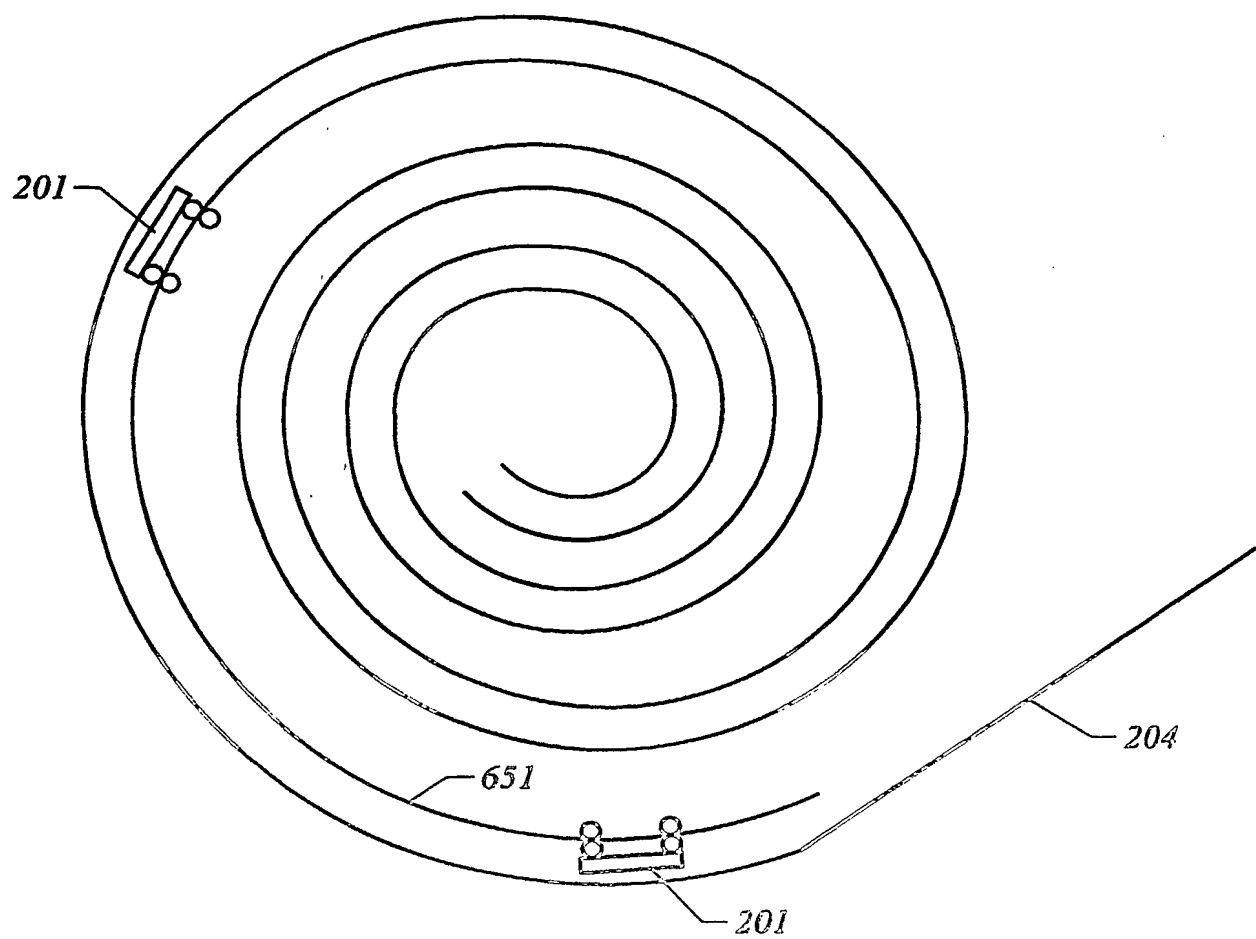


FIG. 12

14/21

TeleCath -- Copyright 2002-2003 Medical Profile Robotics Laboratory

**Mod-Base Wheel** **Rotate Mod-Base Drum** **Drum Wheel**

Count   Count   Count

Rate    Rate    Rate

☐ Advance ☐ Clockwise (CW) ☐ Advance ☐ Withdraw ☐ Advance ☐ Withdraw

☐ Withdraw ☐ Counter CW ☐ Withdraw ☐ Counter CW

Single-Step  Continuous

Single-Step  Continuous

Single-Step  Continuous

**SELECTED ACTION SET (883 Up, 884 Down)**

Move Guide Wire (with Rotation) [only device inserted]

Move Guide Catheter and Guide Wire (with Rotation)

Move Guide Catheter (with Rotation) -- Hold Guide Wire

Move Guide Wire -- Hold Guide Catheter

Move Interventional Catheter & (if applic.) Guide Wire (with Rotation)

Move Interventional Catheter (with Rotation) -- Hold Guide Wire

Move Guide Wire (with Rotation) -- Hold Interventional Catheter

Rotate Module-Base Wheel Alone

Move Module-Base Wheel Alone

Move Drum Wheel Alone

Move Drum Wheel Alone

**709** Y-Base Speed Multiplier  **711** Release All Motors (881)

**705** Mod-Base Drum Wheel Wheel To Drum Ratio   **703** Mod-Base Drum Wheel Wheel To Drum Ratio

**701** Start Settings Parallel Port  View-point control could be used for functions such as Flush Catheter, (Measure Pressure), etc.

Controlled Functions ☐ Mod-Base Wheel -- ☐ Advance/Withdraw Catheter ☐ Rotate Module Base ☐ Rotate Drum ☐ Drum Wheel -- ☐ Advance/Withdraw Wire

☐ Flush Catheter ☐ Inject Contrast ☐ Withdraw Sample

Joystick X  button Y  button 2  button 3  button 4  button 5  button 6

PO  Preferences

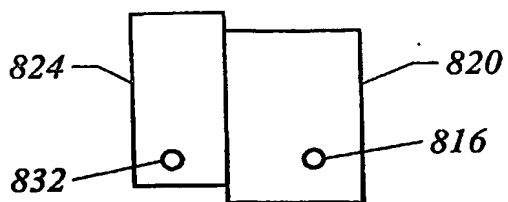
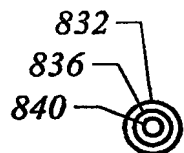
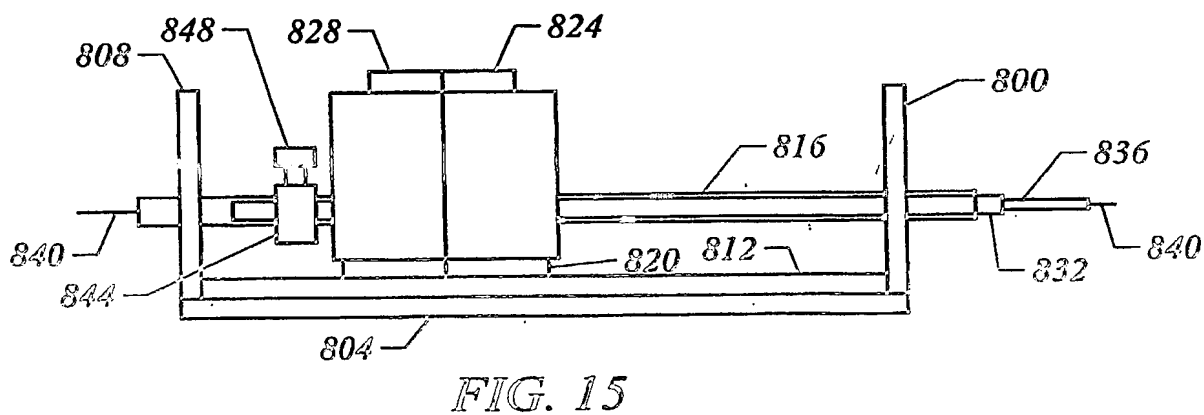
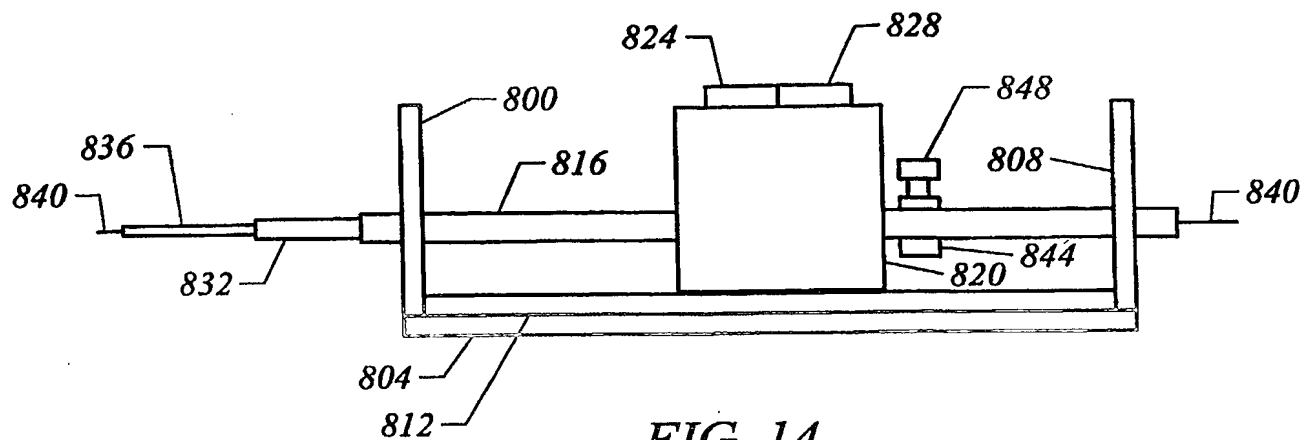
**713**

**706**

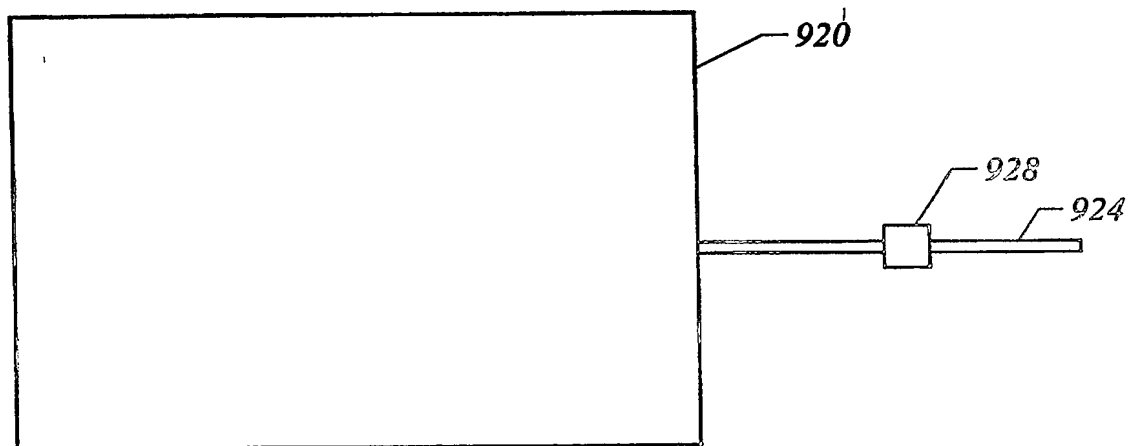
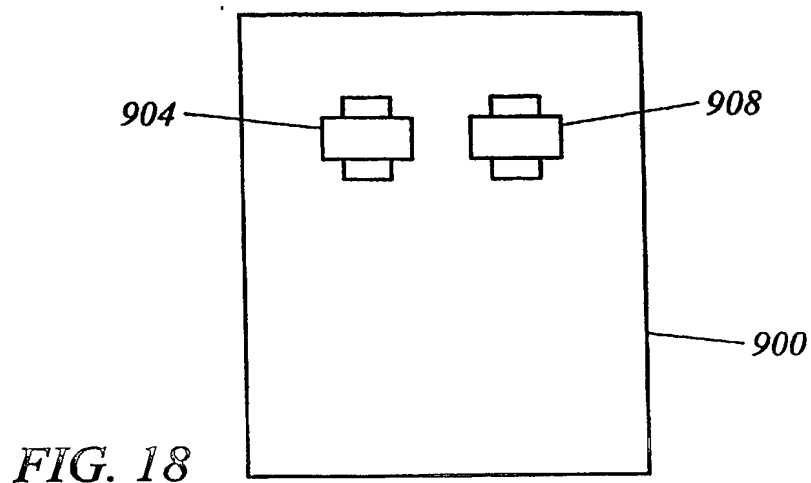
**711**

FIG. 13

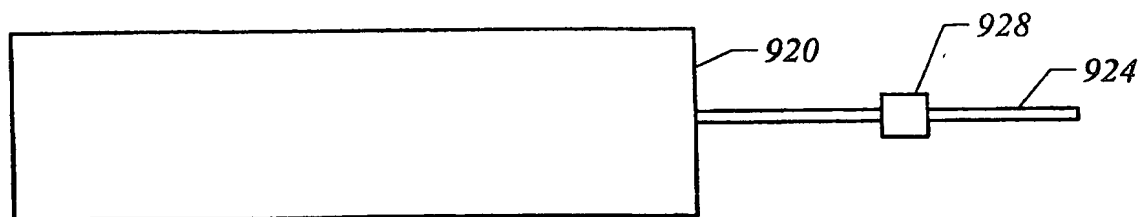
15/21



16/21



*FIG. 19*



*FIG. 20*



17/21

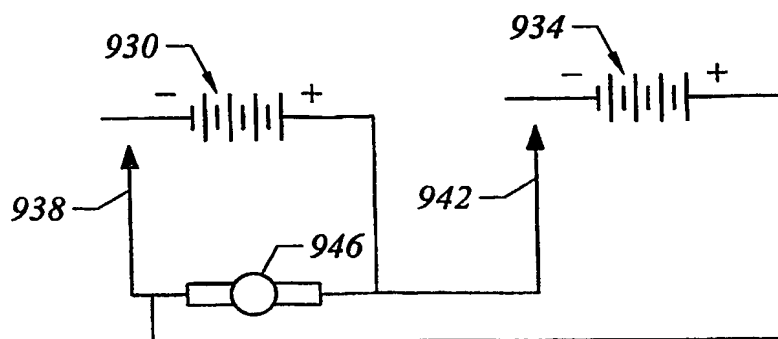


FIG. 21

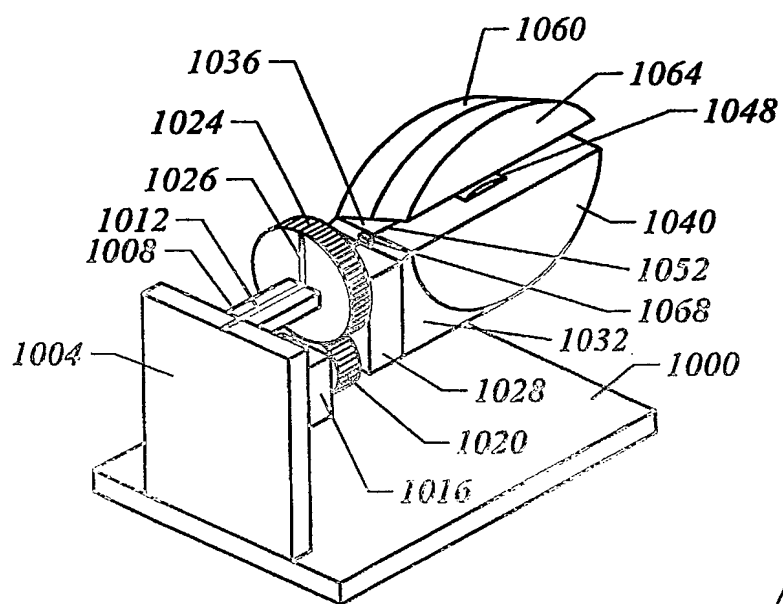


FIG. 22A

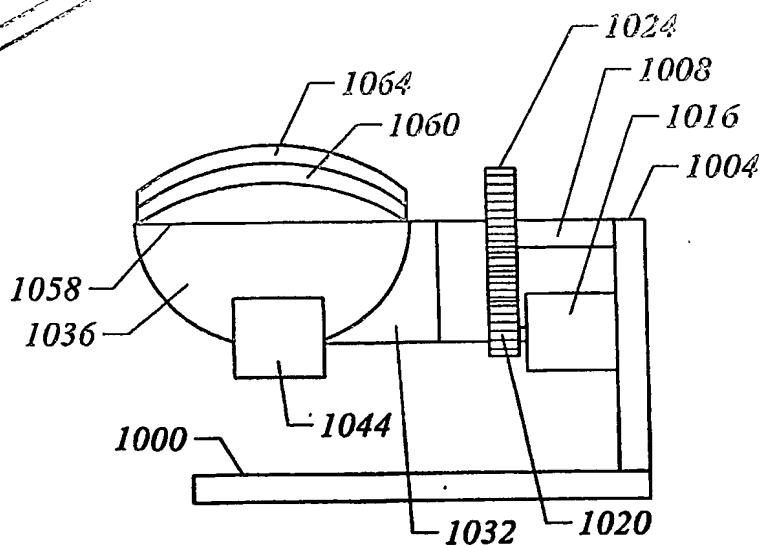


FIG. 22B

18/21

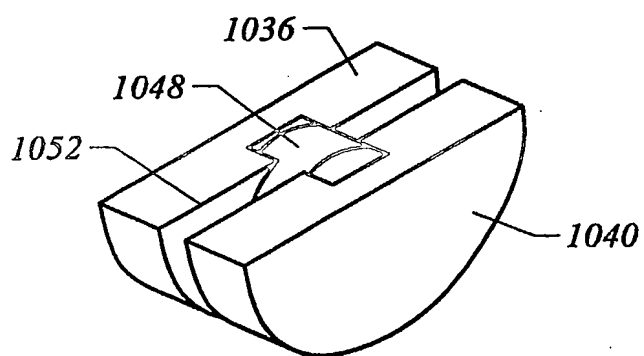


FIG. 23A

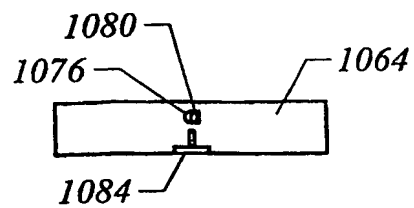


FIG. 23B

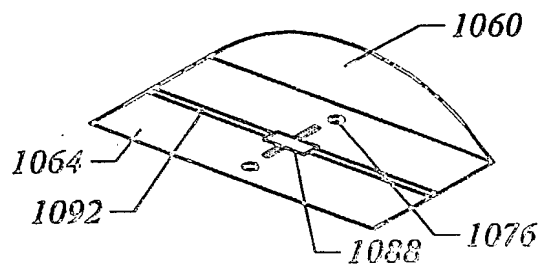


FIG. 23C

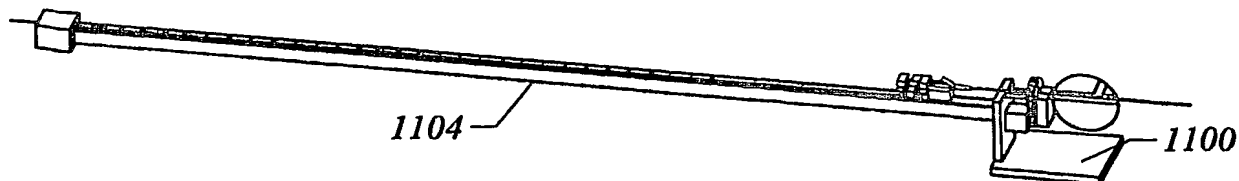


FIG. 24

19/21

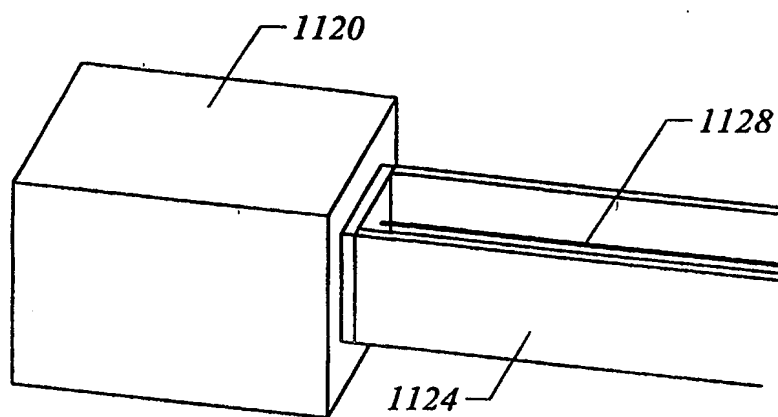


FIG. 25A

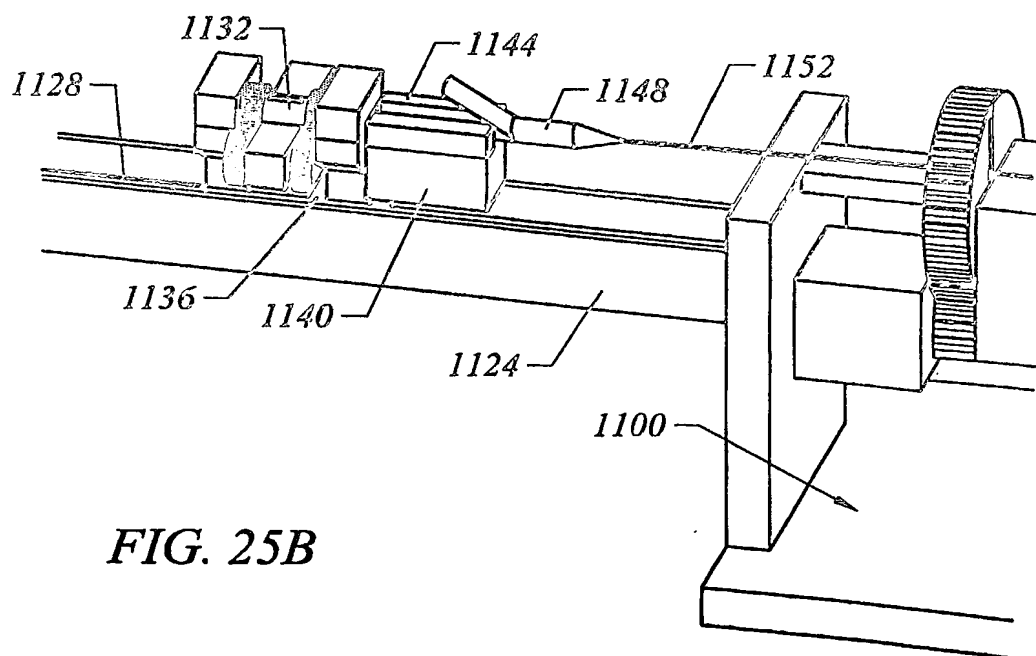


FIG. 25B

20/21

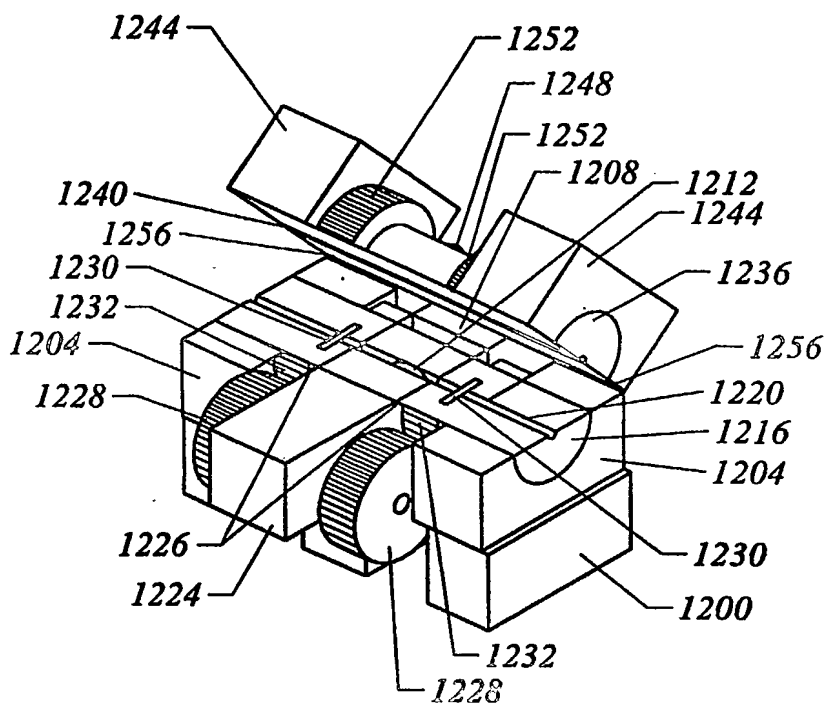


FIG. 26

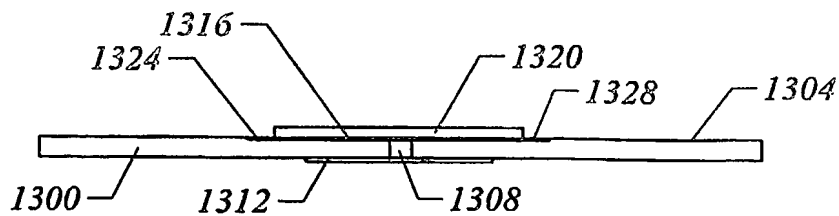


FIG. 27

21/21

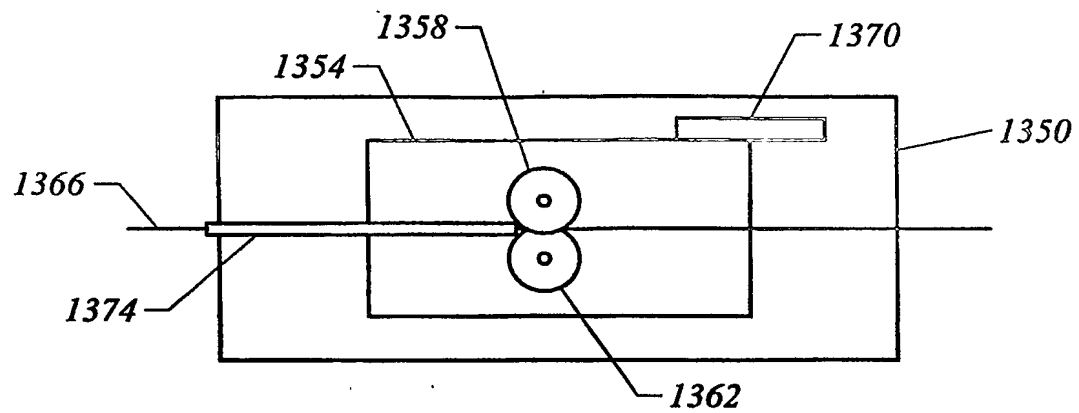


FIG. 28

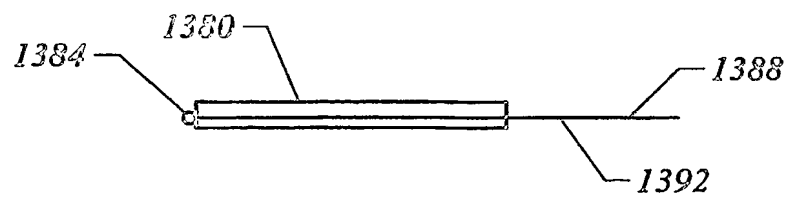


FIG. 29